

<i>Oppertunity or Need</i>	<i>Grounded</i>	<i>Environmentally</i>	<i>Regional</i>	<i>Trading Places</i>
<i>Extraordinarily High and Growing World Wide Demand for Air Passanger Transportation.</i>				
Overall Score	0	0	1	3
Low cost air transport for mass markets	0	0	1	4
Fast, cost efficient	2	0	4	4
High speed/volume transoceanic travel	2	0	4	1
High subsonic air travel	0	0	4	4
High volume intra continental air travel	0	0		4
Increased demand for shor haul	3	0	4	2
Increased demand for general aviation	4	0		
Low cost maintenance, repair, and overhaul	2	0	4	4
Market driven design/production tech	4	0		4
24 hour operations	0	0	3	0
Increased # of aircraft	3	0		4
<i>Massive Investment in Aviation Infrastucture Worldwide</i>				
Overall Score	2	1	0	3
Icreased throughput	2	1	0	4
Existing airports require substantial investment	4	1	0	4
New Airports	2	1	0	2
High Capacity	2	1	0	2
<i>High Customer Demand for Tailored Air Products and Service.</i>				
Overall Score	2	0		1
Commodity mass transport	0	0	0	4
Mass customization	4	0	0	0
Premium products and service	4	0	0	0
Entry by start-ups with innovative products	4	0	0	0
Flexible manufacture of aircraft	0	0	4	4
Used aircraft and refurbishment	2	0	0	4
Reduced cycle time	4	0	4	0
IT enable distribution, design and manufactured for low cost global market	0	0	3	4
<i>Efficient, High Volume, Worldwide Air Traffic Management Systems.</i>				
Overall Score	2	1	0	3
Globally regulated and supervised, moving toward private capital	0	1	0	3
Investment development and system modification	2	1	0	3
Increased capital to handle high and ever increasing demand for aircraft operations of varying size	2	1	0	3
<i>Increased Safety, Security Required.</i>				
Overall Score	4	2	2	3
Order of magnitude reduction in accident	4	2	0	3
Rapid, high safety certification	0	2	0	3
High survivable systems	4	2	4	3
Life prediction for aging aircraft	0	2	2	3
Adverse weather safe operations	3	2	2	3
Reduce human error	4	2	2	3

Data security	4	2	4	3
High security for passengers and cargo	4	2	4	3
Limited US Military Global Responsibilities.				
Overall Score	4	2	2	4
Rapid Deployment	4	2	1	4
Higher use	4	2	0	4
Lack of support		2	0	4
Smaller forces	4	2	2	4
Unwillingness of US	0	2	0	4
Assured global reconnaissance	2	2	4	4
Information security	4	2	4	4
Larger service life	4	2	4	4
Need to Satisfy Public Demand for Environmentally Friendly Air Transportation Systems.				
Overall Score	2	4	1	4
Reduce noise to satisfy FAR 35, stage 3 or better	3	4	1	4
Reduced pollutants	1	4	1	4
Extraordinarily High and Growing Demand for Air Cargo Service.				
Overall Score	4	3	3	3
24 hour, adverse weather	3	3	4	3
Unprecedented growth in very large aircraft	1	3	3	3
Intra-structure to support JIT service	4	3	0	3
Cargo dedicated facilities	4	3	0	3
Increased Demand for inter-modality	4	3	3	3
Advanced information technology	4	3	3	3
Need for Long-Term, High Risk, Aerospace Research.				
Overall Score	0	2	0	1
Privatization and cross national R&D	0	2	0	1
NASA deemphasizes market capable research	0	2	0	1
NASA prioritizes high tech research	0	2	1	1
Effective partnerships	0	2	1	1
World Demand for Ready Access to Space.				
Overall Score	3	2	2	4
Very high private commercial demand	0	0	0	4
Dedicated military space capability	4	4	4	4